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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Sheet	1	of	1	Application Number	40/279,892- 10/572,632
				Filing Date	March 17, 2006
				First Named Inventor	James Andrew Ramsden
				Art Unit	Not Assigned- 1621
				Examiner Name	Not Assigned- NAZARIO-GONZALEZ
				Attorney Docket Number	63077A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6
		BRUNNER, Henri et al., "Enantioselective catalysis Part 129. A new rhodium(I) complex with a μ_2 -H bridged Cp_2WH_2 ligand". <i>Journal of Organometallic Chemistry</i> , 1999, pages 346-350, 577.	<input type="checkbox"/>
		BURCKETT-ST. LAURENT et al., "Reactions of Metal Carbonyl Derivatives. 23. Donor Behavior of $[FeP(C_6H_5)_2(CO)_2(\eta-C_5H_4R)]$ ($R = H, CH_3$) toward Various Rhodium and Iridium Complexes and the Role of the Solvent in the Type of Product Formed. Reversible Uptake of Carbon Monoxide and Dihydrogen by the Nonclosed Trinuclear Species $[M'(FeP(C_6H_5)_2(CO)_2(\eta-C_5H_4R))_2]$ ($M' = Rh, Ir$)". <i>Inorganic Chemistry</i> , 1980, pages 577-587, Vol. 19, No. 3.	<input type="checkbox"/>
		BURK, Mark J., et al., "Preparation and Use of C_2 -Symmetric Bis(phospholanes): Production of α -Amino Acid Derivatives via Highly Enantioselective Hydrogenation Reactions". <i>J. Am. Chem. Soc.</i> 1993, pages 10125-10138, Vol. 115, No. 22.	<input type="checkbox"/>
		CESAROTTI, E., et al., "Asymmetric Hydrogenation Catalyzed by Aminophosphine-Phosphinitetherodium Complexes Derived From Natural Aminoalcohols and X-ray Crystal Structure of (1,5-Cyclooctadiene)-(S)-N-(Diphenylphosphino)-2-Diphenylphosphinoxymethylpyrrolidinerhodium(I) Perchlorate". <i>Journal of Organometallic Chemistry</i> , 1983, pages 79-91, 251.	<input type="checkbox"/>
		COBLEY, Christopher J. et al., "Highly Efficient Asymmetric Hydrogenation of 2-Methylenesuccinamic Acid Using a Rh-DuPHOS Catalyst". <i>Organic Process Research & Development</i> , 2003, pages 407-411, Vol. 7, No. 3.	<input type="checkbox"/>
		COLLMAN, James P. et al., "A Silica-Supported Rhodium Hydroformylation Catalyst: Evidence for Dinuclear Elimination". <i>J. Am. Chem. Soc.</i> , 1983, pages 7288-7294, Vol. 105, No. 25.	<input type="checkbox"/>
		CRUDDEN, Cathleen M. et al., "Rhodium bis-phosphine catalysts on mesoporous silica supports: new highly efficient catalysts for the hydrogenation of alkenes". <i>Chem. Commun.</i> , 2001, pages 1154-1155.	<input type="checkbox"/>
		DESCHAMPS et al., "A New Type of Chelating Biphospholene," <i>Organometallics</i> , Volume 22, pp. 1356-1357 (2003)	<input type="checkbox"/>
		DESCHAMPS et al., "A New Type of Chelating Biphospholene," <i>Organometallics</i> , Supporting Information, pp. 1-13 (2003)	<input type="checkbox"/>
		FALBE, Regitz, "Römpf Lexikon Chemie," 1998, Georg Thieme Verlag, Stuttgart-New York, p. 2700	<input type="checkbox"/>
		HOLZ, Jens, et al., "Hydroxyalkylphosphines in Asymmetric Hydrogenations," <i>Tetrahedron: Asymmetry</i> , 1995, pages 1973-1988, Vol. 6, No. 8.	<input type="checkbox"/>
		KUNZE, Christine, et al., "Calix[4]arene-based- Bis-phosphonites, Bis-phosphites, and Bis-O-acyl-phospholites as Ligands in the Rhodium(I)-catalyzed Hydroformylation of 1-Octene". <i>Zeitschrift für anorganische und allgemeine Chemie</i> , 23 April 2002, pages 779-787, Volume 628, Issue 4 - ENGLISH ABSTRACT ONLY	<input type="checkbox"/>
		KUNZE, Christine et al., "Mono- and Binuclear Rhodium and Platinum Complexes of 1,3,5-Trimethyl-1,3,5-triaza-20 λ^3 -phosphorin-4,6-dionyloxy-substituted Calix[4]arenes". <i>Z. Anorg. Allg. Chem.</i> , 2002, pages 545-552, 628.	<input type="checkbox"/>
		KYBA, Evan P., Raymond E. Davis, Pedro N. Juri, and Kathleen R. Shirley, "Catalytic and Structural Studies of the Rhodium(I) Complexes of the morphos and renorphos Ligands". <i>Inorg. Chem.</i> , 1981, pages 3618-3623, Vol. 20, No. 11.	<input type="checkbox"/>
		MIYANO, Sotaro et al., "Axially Dissymmetric Bis(aminophosphine)s Derived from 2,2'-Diamino-1,1'-binaphthyl. Synthesis and Application to Rhodium(I)-Catalyzed Asymmetric Hydrogenations", <i>Bull. Chem. Soc. Jpn.</i> , Vol. 57, pp. 2171-2176 (1984)	<input type="checkbox"/>
		POLAM, Jayapal Reddy et al., "Thiophene Complexes of the Platinum Group Metals. 2. Preparation and Characterization of Cationic Thiophene Complexes of [(cyclooctadiene)Ir][BF ₄] and [(norbornadiene)Rh][BF ₄] and X-ray Crystal Structure of [(η^2 -2,5-dimethylthiophene)(cyclooctadiene)Fh][BF ₄]", <i>Organometallics</i> , 1993, pages 3504-3509, Vol. 12, No. 9.	<input type="checkbox"/>
		SCHROCK, Richard R. et al., "Preparation and Properties of Some Cationic Complexes of Rhodium(I) and Rhodium(III)". <i>Journal of the American Chemical Society</i> , May 19, 1971, pages 2397-2407, Volume 93, No. 10.	<input type="checkbox"/>
		SELKE, Rüdiger et al., "Asymmetric Hydrogenation - Influence of the Structure of Carbohydrate Derived Catalysts on the Relative Enantioselectivity Q_{HMe} Regarding Acid and Ester Substrates and its Inversion - Selectivity Increase in Water by Amphiphiles". <i>Tetrahedron</i> , 1996, pages 15079-15102, Vol. 52, No. 48.	<input type="checkbox"/>
		SMITH, Richard T. et al., "Rhodium Complexes of the Water-Soluble Phosphine $Ph_2PCH_2CH_2NMe_3$ ". Their Complexes with Hydride, Olefin, and Carbon Monoxide Ligands. Their Use as Olefin Hydrogenation and Hydroformylation Catalysts in Aqueous Solution and in Aqueous/Organic Solvent Two-Phase Systems and Absorbed on a Cation-Exchange Resin". <i>Organometallics</i> 1983, pages 1138-1144, Vol. 2, No. 9.	<input type="checkbox"/>
		SUAREZ, Andrés, et al., "Electronic Differences between Coordinating Functionalities of Chiral Phosphine-Phosphites and Effects in Catalytic Enantioselective Hydrogenation". <i>Organometallics</i> 2002, pages 4611-4621, Vol. 21, No. 22.	<input type="checkbox"/>
		SCHMID, Rudolf et al., "102. Axially Dissymmetric Bis(triaryl)phosphines in the Biphenyl Series: Synthesis of (6,6'-Dimethylbiphenyl-2,2'-diyl)bis(diphenylphosphine) ("BIPHEMP") and Analogues, and their Use in Rh(I)-Catalyzed Asymmetric Isomerizations of N,N-Diethylnorbornene". <i>Helvetica Chimica Acta</i> , 1988, pages 897-929, Vol. 71.	<input type="checkbox"/>
		SCHMID, Rudolf et al., "35. Axially Dissymmetric Diphosphines in the Biphenyl Series: Synthesis of (6,6'-Dimethoxybiphenyl-2,2'-diyl)bis(diphenylphosphine) ("MeO-BIPHEP") and Analogues via and ortho-Lithiation/Iodination Ullmann-Reaction Approach", <i>Helvetica Chimica Acta</i> , 1991, pages 370-389, Vol. 74.	<input type="checkbox"/>
		THOMMEN, Dr. Marc, "Design, Performance, Manufacture and Industrial Use of Chiral Ligands," <i>CHIRAL Europe 2003 Conference Proceedings</i> (4 pages)	<input type="checkbox"/>
		UEHARA, Akira and John C. Bailar, Jr., "Preparation and Catalytic Properties of Cationic Rhodium(I) Complexes Containing 2,2'-Bis(Diphenylphosphino)Biphenyl". <i>Journal of Organometallic Chemistry</i> , 1982, pages 1-10, 239.	<input type="checkbox"/>

Examiner Signature

Jorge Nazario-Gonzalez

Date

Considered

6/28/07

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (option). ²Applicant is to place a check mark here in English language translation is attached. This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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